

# 8104-CALKIT

## Basic Calibration Kit Includes:

- Single regulator (factory preset)
- Carrying case
- Lightweight
- Easy to use

## Optional Calibration Gases (order separately)

- NO reference gas (100 ppm) EMX-4
- CO reference gas (900 ppm) EMX-3
- Gas bottles fit 8104-CALKIT carrying case



(8104-CALKIT shown with optional gas bottles)

## Calibration of Instrumentation

The 8104 Portable Flue Gas Analyzer utilizes electro-chemical cells that have long life, high accuracy, and repeatability. In order to ensure accurate readings, periodic calibration is required.

Calibration is required approximately once every six months. The cells drift approximately 1 to 1½% per month. For higher accuracy, unit should be calibrated more often.

The calibration kit is easy to use and includes everything you need to calibrate the 8104. The gases have been selected for optimum performance with the minimum of gas hazard.

## Regulator

The pressure-reducing regulator is factory preset for flow and pressure. A simple ON/OFF button is the only adjustment to be made. The regulator fits both bottles.

## Nitric Oxide (NO) EMX-4 (order separately)

The nitric oxide reference gas is a concentration of 100 ppm with a balance of nitrogen. 74 liters of gas are contained in a treated aluminum cylinder with an aluminum diaphragm packless valve. The bottle is non-returnable and non-refillable.

## Carbon Monoxide (CO) EMX-3 (order separately)

The carbon monoxide reference gas is a concentration of 900 ppm with a balance of nitrogen. 105 liters of gas are contained in a high pressure, high volume cylinder for pure gases and mixtures. The bottle is non-returnable and non-refillable.

## Shipping

Due to the nature of the compressed gases, the cylinders are shipped separately from the carrying case. Special handling is required for the shipment of these cylinders. Check with your carrier before shipping. The calibration kit CANNOT be carried or transported on commercial aircraft.

## SPECIFICATIONS

**Dimensions:** 16 ½" W × 7 ½" H × 11 ½" D

**Weight:** 9 lb.

**WARNING:** Situations dangerous to personnel and property may exist with the operation and maintenance of any combustion equipment. The presence of fuels, oxidants, hot and cold combustion products, hot surfaces, electrical power in control and ignition circuits, etc., are inherent with any combustion application. Parts of this product may exceed 160F in operation and present a contact hazard. Fives North American urges compliance with National Safety Standards and insurance Underwriters recommendations, and care in operation.

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